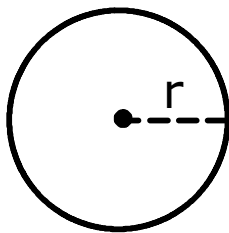# REFERENCE SHEET — GRADE 8
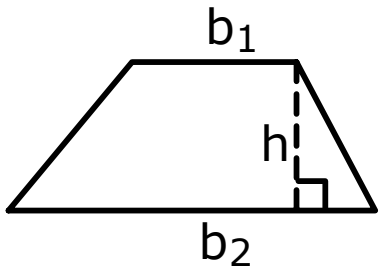
The following information is for your reference.

Note: **Figures in this test are drawn as accurately as possible, except when it is specifically stated in a problem that the figure is not drawn to scale.**
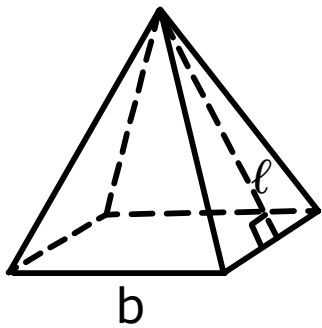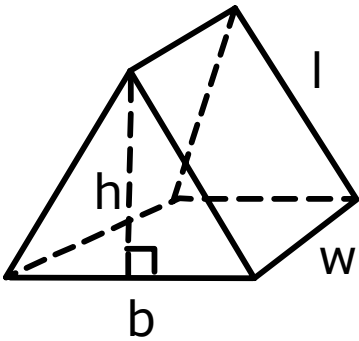
$\pi \approx 3.14$ or $\frac{22}{7}$
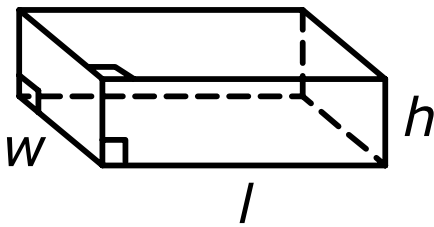
$C = 2\pi r$
$A = \pi r^2$

$A = \frac{1}{2}h(b_1 + b_2)$
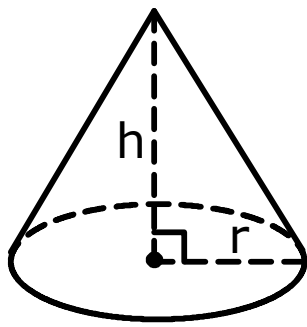
$SA = b^2 + 4(\frac{1}{2}b\ell)$
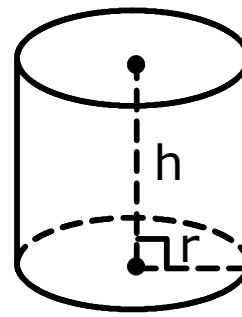
$SA = 2(\frac{1}{2}bh) + 2lw + bw$
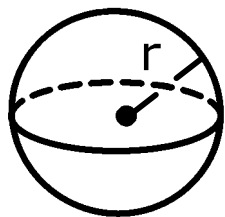
$V = lwh$
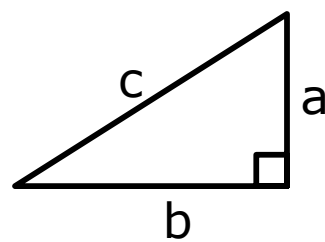$SA = 2hl + 2hw + 2lw$

1

REFERENCE SHEET — GRADE 8

$$V = \frac{1}{3}\pi r^2 h$$

$$SA = \pi r^2 + \pi r\sqrt{r^2 + h^2}$$

$$V = \pi r^2 h$$

$$SA = 2\pi r^2 + 2\pi rh$$

$$V = \frac{4}{3}\pi r^3$$

$$SA = 4\pi r^2$$

Pythagorean Theorem:

$$a^2 + b^2 = c^2$$